

Converting Colors

XYZ(37.8454, 48.0088, 74.2908)

Have a look what the booklet for
XYZ(37.8454, 48.0088, 74.2908)
contains.

XYZ(37.8041, 47.9894, 74.2882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8041, 47.9894,
74.2882)**

Conversions

Conversions Part 1

Format	Color
Hex	60C6DB
RGB	96, 198, 219
RGB Percent	38%, 78%, 86%
CMY	0.6235, 0.2235, 0.1412
CMYK	0.56, 0.10, 0.00, 0.14
HSL	190°, 63%, 62%
HSV	190°, 56%, 86%
XYZ	37.8041, 47.9894, 74.2882
YIQ	169.8960, -67.5330, -15.0930

Conversions

Conversions Part 2

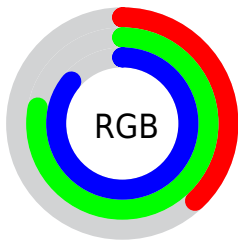
Format	Color
RYB	96, 152, 219
Decimal	6342363
CIELab	74.82, -23.75, -19.49
CIElCh	75, 30.720, 219.368
Yxy	47.9894, 0.2362, 0.2998
Android (android.graphics.Color)	4284532443 (0xFF60C6DB)
YUV	169.8960, 24.2083, -64.8068
Hunter-Lab	69.2744, -23.8200, -15.0891

Details

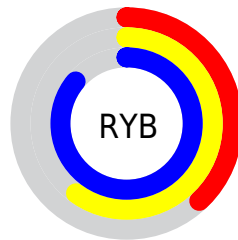
The XYZ color **37.8041, 47.9894, 74.2882** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.6871, 28.6284, 14.6073**, and the grayscale version is **38.0655, 40.0478, 43.6121**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **16.9834, 22.7863, 38.6250** is the 20% darker color. If you saturate the color by 10%, you get **34.9692, 45.2759, 73.9147**, and if you desaturate by 10%, it is **41.3048, 51.0795, 74.7010**.

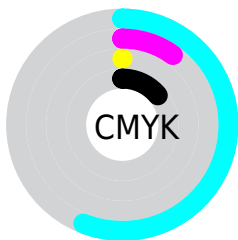
Distribution



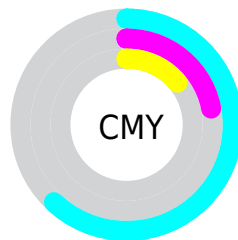
- Red (38%)
- Green (78%)
- Blue (86%)



- Red (38%)
- Yellow (60%)
- Blue (86%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (62%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8041, 47.9894, 74.2882 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.8041, 47.9894, 74.2882 by changing the saturation by 10% instead.

■ 37.8041, 47.9894,
74.2882

■ 37.8041, 47.9894,
74.2882

■ 328.0743,
378.7501, 494.6574

■ 26.0072, 33.8185,
54.5317

■ 71.1136, 87.1886,
127.0421

■ 16.9617, 22.7542,
38.6309

■ 93.3569, 112.9857,
160.8766

■ 10.3023, 14.4121,
26.1671

■ 119.8131,
143.4270, 200.2408

■ 5.6637, 8.4079,
16.7218

■ 150.8475,
178.8969, 245.5534

■ 2.6804, 4.3570,
9.8765

■ 186.8255,
219.7797, 297.2328

■ 0.9871, 1.8752,
5.2126

■ 228.1123,

■ 0.0000, 0.5334,

266.4600, 355.6976

2.3116

275.0735,
319.3220, 421.3663

■ 0.0000, 0.0000,
0.7377

■ 0.0000, 0.0000,
0.0000

■ 37.8041, 47.9894,
74.2882

■ 37.8041, 47.9894,
74.2882

■ 34.9692, 45.2759,
73.9147

■ 41.3048, 51.0795,
74.7010

■ 32.7406, 42.9050,
73.5746

■ 45.5154, 54.5662,
75.1521

■ 31.0558, 40.8453,
73.2658

■ 50.4814, 58.4740,
75.6446

■ 29.8349, 39.0554,
72.9847

■ 56.2431, 62.8240,
76.1806

■ 29.4351, 38.4120,
72.8815

■ 62.8381, 67.6357,
76.7618

■ 70.3012, 72.9273,
77.3898

■ 78.6654, 78.7162,
78.0663

■ 81.7461, 81.8140,
78.5019

■ 82.7853, 83.8925,
78.8483

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8163, 47.9894, 57.4200



37.8041, 47.9894, 74.2882



41.9323, 47.9894, 86.6424

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.8041, 47.9894, 74.2882



56.4185, 47.9894, 63.8555



43.8867, 47.9894, 27.4029

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.8041, 47.9894, 74.2882



37.6871, 28.6284, 14.6073

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.5020, 47.9894, 28.4315



37.8041, 47.9894, 74.2882



57.0494, 47.9894, 47.4044

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.8041, 47.9894, 74.2882



52.7687, 47.9894, 79.8167



54.4282, 47.9894, 35.0716



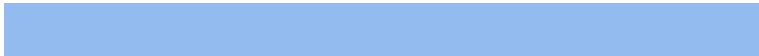
39.1344, 47.9894, 31.9002

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8041, 47.9894, 74.2882



45.4941, 47.9894, 89.4326



54.4282, 47.9894, 35.0716



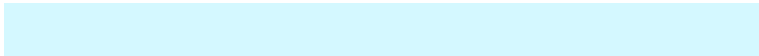
45.7310, 47.9894, 27.1382

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.8056, 47.9912, 74.2893



78.5449, 88.0537, 107.4640



33.3382, 54.4235, 25.4252



16.4441, 18.5725, 22.9681



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8056, 47.9912, 74.2893



48.8703, 63.4131, 104.2720



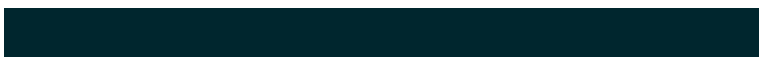
26.5571, 25.4942, 70.5398



13.2459, 14.4315, 16.7396



17.5241, 22.9176, 43.2383



1.1863, 1.5868, 2.8182

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.5906, 27.5044, 56.4393



58.1264, 33.1057, 75.1571



47.2463, 47.7468, 17.7937



13.5140, 13.2347, 15.9678



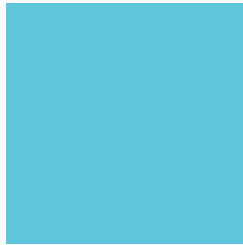
22.3407, 10.9373, 27.2377



1.4731, 0.7189, 1.9002

Previews

White Background



This preview shows how the XYZ color 37.8041, 47.9894, 74.2882 looks on a white background.

Color Contrast Check

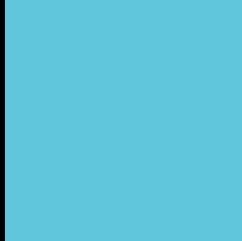
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.8041, 47.9894, 74.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

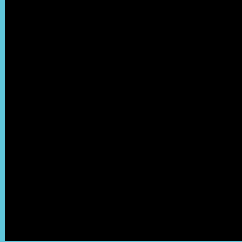
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8041, 47.9894, 74.2882

Background



This preview shows how black text looks on a background with the XYZ color 37.8041, 47.9894, 74.2882.



This preview shows how white text looks on a background with the XYZ color 37.8041, 47.9894,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.8041, 47.9894, 74.2882

Protanopia

46.7035, 47.5937, 66.3995

Deuteranopia

48.4954, 47.3917, 76.4036



Tritanopia

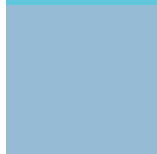
37.3053, 48.1328, 71.6143

Trichromacy



Original Color

37.8041, 47.9894, 74.2882



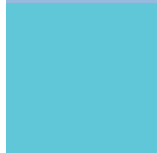
Protanomaly

42.2613, 47.1095, 69.1530



Deuteranomaly

43.3214, 46.8758, 75.8719



Tritanomaly

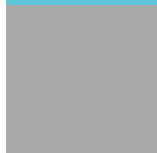
37.5374, 48.2376, 72.2981

Monochromacy



Original Color

37.8041, 47.9894, 74.2882



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.7261, 42.1130, 53.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8041, 47.9894, 74.2882 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 198, 219)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 219)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 198, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 219) }
```

Border

The CSS property to change the border of an element to XYZ 37.8041, 47.9894, 74.2882 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 198, 219) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 198, 219) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 198, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 219);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8041, 47.9894, 74.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 219) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 198,  
219) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor